



RF Engineer | UAN - 027ABB

Department: Engineering / RF Systems

Location: TBD

Type: Full-time

About the Role

We're looking for an RF Engineer to support the analysis, integration, validation, and technical support of RF subsystems used in advanced antenna measurement systems. In this role, you will work on RF signal chains and measurement subsystems deployed for defence, aerospace, and research applications worldwide. This is a strong opportunity for a hands-on RF and microwave engineer who enjoys laboratory work, multidisciplinary collaboration, and troubleshooting complex RF systems.

About MVG

MVG – Microwave Vision Group – is the global leader in electromagnetic field measurement solutions. With 400+ employees, offices across 4 continents, and over 25 years of consecutive growth, we help the world's most innovative companies test, validate, and push the boundaries of wireless technology. Our mission: Testing Connectivity for a Wireless World.

Join us to shape the future.

Responsibilities

Perform and support antenna characterization measurements in Near Field and Far Field ranges, including setup, calibration, measurement execution, and data analysis.

Support the integration and validation of RF subsystems within antenna measurement systems.

Analyze RF signal chains and subsystem performance, including Noise Figure, gain, P1dB, IMD, dynamic range, and link budget analysis.

Characterize RF performance using S-parameters and system-level RF measurements.

Troubleshoot RF signal paths and identify performance limitations within RF chains during integration and debugging activities.

Support FAT and SAT preparation and execution while operating RF laboratory equipment such as VNAs, Spectrum Analyzers, Signal Generators, Signal Analyzers, and power measurement equipment.

Prepare technical documentation, including RF reports, block diagrams, system descriptions, and test procedures, while supporting multidisciplinary engineering and international customer activities.

Requirements

Bachelor's or Master's degree in Electrical Engineering, RF Engineering, or Microwave Engineering.

Solid understanding of RF and microwave engineering principles.

Experience working with RF test equipment and RF measurement techniques.

Ability to analyze RF system performance and troubleshoot RF signal chains.

Strong analytical thinking and problem-solving skills.

Ability to work in a multidisciplinary engineering environment.

Strong communication and documentation skills, with willingness to support laboratory and customer-environment integration and testing activities.

Nice to Have

Experience with antenna measurement systems, including Near Field, Far Field, or Compact Range techniques.

Knowledge of antenna theory, including radiation patterns, gain, polarization, and side lobe levels.

Experience with RF simulation tools such as MATLAB, CST, or similar electromagnetic simulation environments.

Familiarity with RF schematics, RF system diagrams, RF PCB concepts, ECSS, MIL-STD, PDM/PLM systems, or complex system BOM management.

How to Apply

Send your CV and a short cover note to careers@mvg-world.com with the subject line: RF Engineer – Application. We review applications on a rolling basis and aim to respond within two weeks. We look forward to hearing from you!

MVG - Testing Connectivity for a Wireless World